AirTies wireless networks

WirelessDataVoiceVideo

WAV-275

2 VoIP Port Wireless ADSL2+ Gateway (802.11b/g, 4 Ethernet, USB Host)

- 1 Line (FXO), 2 Telephone (FXS) PSTN ports
- PSTN Life-line support
- 54 Mbps 802.11g Wireless
- ADSL2+ (24Mbps/4Mbps)
- 4 Ethernet (1 port configurable as WAN), USB 2.0 Plug & Share (File and Printer Sharing Support)
- CPE WAN Management Protocol (TR-69, TR-98, TR-111, TR-104)
- Two simultaneous VoIP calls
- No PC required for VoIP calls
- Reliable Audio Quality (QoS)
- Inbound traffic throttling support
- Call Features (CLIP/CLIR, Call Waiting)
- VLAN functionality (802.1Q)
- Universal Plug & Play (UPnP IGD)
- VPN pass-through (PPTP, L2TP, GRE, IPSec) and Termination (upto 3 connections)
- AirTies Mesh Technology
- Advanced security with Statefull Packet Inspection Firewall and DoS protection
- Multi-language WebUI (English and Turkish)
- ADSL Usage Monitor
- Robust against wide voltage fluctuations
- Easy AirTies Setup CD (with animated instructions)
- Auto Firmware Update
- 3 year warranty
- 24x7 technical support

Make two simultaneous VoIP calls and start enjoying discounted calls.

ADSL2+ VoIP Gateway, Firewall, 1 Line (FXO), 2 Telephone (FXS), 1 USB 2.0 Host, 4-Port Ethernet, Wireless Access Point

WAV-275 is an all-in-one solution that can fulfill **all your voice and data needs**. You can use it to access the Internet over your ADSL line, to set up your local wireless network and to make phone calls over the Internet using a VoIP service provider.

Complete communication system: ADSL2+ Modem, 2 FXS ports VoIP Gateway with PSTN back-up, 54Mbps Wireless Access Point, Router, Switch and Firewall

Media Centre/Single Control Point: USB 2.0 Host port allows users to attach an external disk drive or printer and share it on the network without having to dedicate a computer for this function

Remote Management: Auto-provisioning of LAN, WAN and VoIP setting via CWMP (TR-69, TR-98, TR-111 and TR-104) support. Also supports SNMP, Web remote management.

Multi-language WebUI: WebUI supports dual-language (English and Turkish)

Use **your regular phone**: No need for a computer, headset or a microphone

No special codes or prefixes: dial the same way as you always do!

High sound quality: no dropped calls, no delay, no echo

Initiate VoIP phone calls and access the Internet at the same time

VLAN support: Supports setting virtual LANs using Ethernet1-4

Enjoy **wireless** Internet at 54Mbps

AirTies Mesh Technology®: Possibility to expand the wireless coverage area with AirTies products

AirTies Easy installation and administration: insert the installation CD and follow the animated on-screen instructions

ADSL Usage Monitor shows total download and upload amounts on a monthly basis.

Specifications

Main Features

- **All-in-one solution:** ADSL2+ Modem, VoIP Gateway with PSTN back-up, 1 FXO & 2 FXS ports, 54Mbps Wireless Access Point, 4 ports Switch, 1 USB 2.0 Host (File and Printer Sharing Support), Router and Firewall
- **Modem:** ADSL2+ modem (24Mbps download/ 4Mbps upload) optimized for your local ADSL service provider
- **Router:** DHCP server, DDNS, NAT, NAPT, Static and RIPv1/v2 specified router, VPN pass-through and IPSEC termination, 802.1Q VLAN
- **Firewall:** Advanced anti-DoS SPI Firewall; URL, IP and MAC address based filtering, DMZ, Scheduling for Access Control
- **Wireless communication at 54Mbsp 802.11g:** 54Mbps speed wireless Access point backward compatible with 11 Mbps 802.11b.
- **Technology:** Possibility to expand the wireless coverage area with AirTies products
- **Wireless security:** WPA, WPA2-AES, 64/128 bit WEP, 802.1x standards, wireless access scheduling
- **Wired device support:** You can also connect any wired device to your local network via the 10/100Mbps Ethernet
- **VLAN support:** Virtual LANs can be setup using Ethernet1-4 (802.1Q)
- **ADSL Usage Monitor:** Especially useful for limited quota ADSL subscribers. Reports monthly total download and upload amounts and current download rate.
- **Robust against voltage fluctuations:** Specially designed to withstand wide voltage fluctuations
- **Easy setup and management:** Universal Plug and Play (UPnP), AirTies Easy Setup CD (for both ADSL and VoIP; with animated instructions), user-friendly Utility Program and User Manual
- **Easy Update:** Firmware (software) upgrades via the Advanced Settings Web interface.
- **Remote Management:** SNMP, TR-69, TR-98,TR-111, TR-104, Web
- **Multi-language WebUI support:** English and Turkish
- **24x7 technical support** by highly trained AirTies support team
- **3 years extended warranty**

VoIP (Voice over Internet Protocol) Features

- Echo cancellation
- SIP (RFC 3261/3264)
- RTP (RFC 3550)
- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- 802.11e protocol compliant WLAN QoS
- IP QoS Support TOS/Diff-serv
- Automatic prioritization of audio packets and high audio quality
- Dial plan options
- Life-line Support: Automatic switch over to FXO-line (PSTN backup) during power or ADSL connection loss or when SIP server is unreachable
- Call Features: Caller ID (CLIP/CLIR), Call Waiting
- Inbound and Outbound call routing
- G.711, G.726, G.723.1, G.729AB codec support
- DTMF Relay: RFC2833 and SIP INFO support
- Digest Access Authentication (RFC2617)
- G.711 fax pass-through
- T.38 IP fax protocol support
- PSTN Fax Support (V.21, V.21ter, V.29, V.17) - T.30
- Pre-configured firewall for both VoIP and audio protocols
- Different dial- and confirmation-tones when making VoIP calls

Technical Properties

- **ADSL properties:** G.992.1 Annex A & ANSI T1.413 Issue2 (G.DMT), G.992.2 (G.Lite), G.992.3 ADSL2 (G.dmt.bis), G992.4 (G.Lite.bis), G.992.5 (ADSL2+), Dying Gasp Support, Rate Adaptive DSL (RADSL), READSL,
- **Connection Protocols:** PPPoE, PPPoA, RFC1483 Encapsulation (IP, Bridging and encapsulated routing), RFC 2364 PPP over AAL5, Classical IP over ATM (RFC1577), ATM QoS, OAM (I.610), Traffic support for 8 PVC channels, RFC2366 Multicast over ATM, IP multicast IGMP Proxy v1&v2, IGMP snooping
- **802.11b/g and wireless networks:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps data rates (automatic speed adjustment)
- **Frequency interval:** ETSI 2400 MHz(min)- 2483.5 MHz(max) (13 channels with 3 not overlapping)
- **Antenna power:** 20 dBm EIRP
- **Wireless security specifications:** WPA (802.1x, TKIP, PSK) ; WPA2 (AES); 64/128 bit WEP, wireless MAC address filtering, SSID hiding
- **Operating Voltage Range:** 100V AC to 240V AC
- **LEDs:** Power, Ethernet, 1-4, WLAN, ADSL, Internet, VoIP, Phone1, Phone2, Line, USB
- **Ports:** 1 ADSL (RJ-11 for ADSL), 1-4 Ethernet (RJ45), USB Host, Power, 1 FXO (PSTN backup, RJ-11), 1 FXS (telephone device or PBX, RJ-11)
- **Reset** button to return to factory settings for ADSL or VoIP
- **WLAN** on/off button
- **On/Off** button
- **UPnP :** Universal Plug&Play Internet Gateway Device (IGD)
- **Router and Firewall:** Anti-DoS SPI firewall; URL, IP and MAC address filtering; Port forwarding; DMZ; VPN Pass
- Through (PPTP, L2TP, IPSec) and IPSec Termination; Static and dynamic (RIPv1/v2) routing; DNS Proxy; DHCP server and client; NAT/NAPT; User Authentication (PAP/CHAP/MSCHAP) with PPP; up to 1024 NAT sessions, IEEE 802.1d (self-learning transparent bridging), CoS (IEEE 802.1P), VLAN (802.1Q)
- **Compatible with** Windows 98, ME, 2000, 2003, XP, Vista, Linux, MAC OS
- **Class2 device**
- **Certificates and Standards:** CE

Physical Characteristics

- Dimensions: 235mm x 156mm x 25mm
- Weight: 450g
- Power: 15V DC, 1.25A
- Adapter operating voltage: Between 100V and 240V
- Operating Temperature: 0 ~ 40 C
- Storage Temperature: -40 ~ 70 C
- Operating Humidity: 10 ~ 90%

Minimum System Requirements

- ADSL service on your phone line must be activated and working properly,
- For wired use: a computer with an Ethernet adapter that supports the TCP/IP
- For wireless use: 802.11b or 802.11g wireless adapter or computer with wireless capabilities
- For the webUI access and setup: Any version of Windows or Unix, Linux, Mac operating systems
- For the AirTies Utility Program: 32-bit Windows 98 / ME / 2000/ 2003 / XP or Vista operating systems
- The device does not need to be connected to a PC during normal operation.

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